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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/643,439 08/19/2003		Jayendu Patel	14173-002001	4428	
26161 75	90 06/27/2006		EXAMINER		
FISH & RICHARDSON PC			VAN DOREN, BETH		
P.O. BOX 1022 MINNEAPOLI	! S, MN 55440-1022		ART UNIT	PAPER NUMBER	
	-, .		3623		
			DATE MAILED: 06/27/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Appl	ication No.	Applicant(s)		
		10/6	43,439	PATEL ET AL.		
		Exan	niner	Art Unit		
			Van Doren	3623		
The MAI Period for Reply	LING DATE of this communic	ation appears o	n the cover sheet with the	correspondence add	lress	
WHICHEVER I: - Extensions of time after SIX (6) MONT - If NO period for rep - Failure to reply with Any reply received	D STATUTORY PERIOD FOR SLONGER, FROM THE MA may be available under the provisions of THS from the mailing date of this community is specified above, the maximum staturation the set or extended period for reply with the Office later than three months after adjustment. See 37 CFR 1.704(b).	LING DATE O 37 CFR 1.136(a). In ication. tory period will apply I, by statute, cause the	F THIS COMMUNICATIO no event, however, may a reply be ti and will expire SIX (6) MONTHS from the application to become ABANDONI	N. mely filed n the mailing date of this cor ED (35 U.S.C. § 133).		
Status						
1)⊠ Responsi 2a)⊟ This actio	ve to communication(s) filed on is FINAL . 2b	on <u>07 April 200</u>)⊠ This action				
3)☐ Since this	<u></u>					
closed in	accordance with the practice	under Ex parte	e <i>Quayl</i> e, 1935 C.D. 11, 4	53 O.G. 213.		
Disposition of Cla	ims					
4a) Of the 5) ☐ Claim(s) ☐ Claim(s) 7) ☐ Claim(s)	1-89 is/are pending in the apple above claim(s) is/are is/are is/are allowed is/are rejected is/are objected to. 1-89 are subject to restriction	withdrawn from				
Application Paper	s					
10) The drawi Applicant I	fication is objected to by the lang(s) filed on is/are: a may not request that any objection that drawing sheet(s) including the declaration is objected to be	a) accepted on to the drawing ne correction is re	g(s) be held in abeyance. Se equired if the drawing(s) is ob	ee 37 CFR 1.85(a). Djected to. See 37 CFI		
		,			0 102.	
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
	erson's Patent Drawing Review (PTC osure Statement(s) (PTO-1449 or PT	•	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate	152)	

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Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-83 and 88, drawn to recommending items to users in one or more user groups, classified in class 705, subclass 10.

- II. Claims 84-86 and 89, drawn to identifying similar users to a first user, classified in class 705, subclass 10.
- 2. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct if they do not overlap in scope and are not obvious variants, and if it is shown that at least one subcombination is separately usable. In the instant case, subcombination I has separate utility such as providing personalized recommendations to a user based on the users past rating history. Subcombination II has separate utility such as matching a user with a similar group of users (i.e. no recommendations are being made). Support for this distinction is found on pages 1-2 and page 20 of the specification. See MPEP § 806.05(d).

3. Because these inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

If Invention I above is elected, then it is requested that Applicant further elect one of the species listed below.

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4. This application contains claims directed to the following patentably distinct species:

Species I: an estimator that uses ratings of items by users who are outside the specific

cohort being predicted (claim 19)

Species II: an alternative estimator that yields regression coefficients (claims 20-26)

Species III: Computing prior probability for non-specific users using posterior probability

distributions, which is one alternative of a statistical approach used by the system (claims

27-30);

Species IV: Performing joint recommendations based on the ratings of the group as a

whole (Claims 51, 61-63);

Species III: Assigning users to multiple cohorts, where their membership is fractional or

weighted in each cohort (claims 49, 64-65)

Species III: recommendations being computer for each user separately and the

recommendations for the group include the best recommendation for each user in the

group (claims 66-71)

Species IV: multiple domain recommendations, wherein a rating of one item is used to

predict the rating of a second, different item (claim 80-83)

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for

prosecution on the merits to which the claims shall be restricted if no generic claim is finally

held to be allowable. Currently, claims 1-18, 31-48, 50, 52-60, 72-79, and 88 are generic.

Applicant is advised that a reply to this requirement must include an identification of the

species that is elected consonant with this requirement, and a listing of all claims readable

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thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

5. No telephone call was made because the above restriction requirement is complex.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Beth Van Doren whose telephone number is (571) 272-6737. The examiner can normally be reached on M-F, 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz can be reached on (571) 272-6729. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

lwa bvd

June 22, 2006

Beth Van Doren Beth Van Doren AU3623